Monitoring Data Record

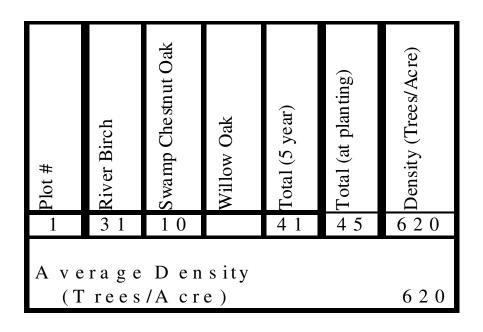
Project Title: R	-210A (Site 10)	(COE Action ID: <u>1993-0-057</u>	0
Stream Name: _	Unnamed tributary to	o the Little River	DWQ Number: <u>010</u>	404
City, County and	d other Location Inform	nation: <u>US 1 (Vass</u>	s Bypass) in Moore County	
(Sta. 51+70 to 52				
Date Construction	on Completed: July 20		itoring Year: (5) of 5	
Ecoregion:		8 digit HUC	unit: <u>03030004</u>	
USGS Quad Nat	me and Coordinates:			
_	Classification:			
Length of Projec	et: <u>174'</u> Urban o	r Rural: <u>Rural</u>	Watershed Size:	
_	TA collected by: M. Gre	een, J.Young	Date: <u>6/3/09</u>	
Applicant Inforn				
· · · · · · · · · · · · · · · · · · ·	CDOT Roadside Envir			
	1425 Rock Quarry Rd.			
-		<u>-3772</u> Em	nail address: mlgreen@ncdot.gov	
Consultant Infor				
Name: _				
Address:				
_		Email address:		
Project S	Status: <u>Complete</u>			
-				
years starting th following: refer year for 5 years through the requ first 5 years, m	e year following constructed photos, plant survat the same time of year ired 5-year monitoring	truction. Monitor vival, and channe ar. No less than to period. If less the until the secon	ream relocation site for a per ring data at the site should it I stability. Data shall be col- wo bankfull events must be d an two bankfull events occur d bankfull event is docume ears.	nclude the ected each ocumented during the
	REFERENCE SITES I levels must complete this se	ection)		
Total number o	f reference photo loca	ntions at this site:	3 reference points, 2 pho	
Dates reference	photos have been tak	en at this site: <u>6</u>	/7/05, 6/22/06, 6/19/07, 6/4/0	tos at each
Individual from	ı whom additional pho	otos can be obtain	ned (name, address, phone)	8, 6/3/09
				8, 6/3/09
Other Information		reference: A sit	ned (name, address, phone) te map has been included with	8, 6/3/09

Section 2. PLANT SURVIVAL

Attach plan sheet indicating reference photos.

Identify specific problem areas (missing, stressed, damaged or dead plantings):
Estimated causes, and proposed/required remedial action:
ADDITIONAL COMMENTS: This site was replanted in February 2006 due to low survival rates from the
initial planting. The streambanks were live staked with buttonbush and silky dogwood live stakes. The floodplain was replanted with river birch, swamp chestnut oak, and willow oak. Other vegetation noted onsite consisted o
black willow, tulip poplar, sweetgum, overcup oak, fescue, woolgrass, fennel, red maple, alder, goldenrod, <i>Juncu</i> , sp., pine, lespedeza, foxtail, and various grasses. Stem counts were conducted onsite. It was determined that 620 trees per acre are surviving as seen in the table below. Although no willow oaks were recorded in the vegetation
plot there were some willow oaks noted surviving onsite. NCDOT proposes to discontinue vegetation monitoring a the UT to Little River stream relocation site.

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.



Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. <u>Physical measurements of channel stability/morphology will not be required.</u> Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

	\mathcal{C}			$\boldsymbol{\mathcal{C}}$										
The strea	m is	stabiliz	zed for	the 5th	year	of mon	itoring.	At t	he time of	the mon	itori	ng evaluation	n water	was still
piping u	nder	the los	vane	structur	e as	noted	in Phot	o 1.	NCDOT	proposes	to	discontinue	stream	stability
monitorin		•								* *				

6/3/09	Sta. 51+80	Station	Station	Station	Station
	Photo 1	Number	Number	Number	Number
Structure	Log Vane				
Type					
Is water	Water is				
piping	piping under				
through or	the log vane				
around					
structure?					
Head cut or					
down cut					
present?					
Bank or scour					
erosion					
present?					
Other					
problems					
noted?					

NOTE: Attach separate narrative sheets to each monitoring report describing/discussing the overall monitoring results. Include the identification of specific problem areas/channel failures, estimated cause and proposed/required remedial action. This should include a brief discussion of any parameter that has changed significantly from as-built.

UT to Little River



Photo 1 taken from PP# 1 looking upstream



Photo 2 taken from PP#1 looking downstream



Photo 3 taken from PP#2 looking upstream



Photo 4 taken from PP#2 looking downstream



Photo 5 taken from PP#3 looking upstream



Photo 6 taken from PP#3 looking downstream



Photo #7 Overview photo taken upstream



Photo #8 Overview photo taken downstream looking @ vegetation plot

